

a communication station capable of receiving said interrogating beam;
and
said communication station having a broad area, intra-cavity phase conjugator with a top electrode, wherein an aperture is located in said top electrode.

REMARKS

The foregoing amendment and following arguments are believed responsive to the Office Action mailed on November 20, 2002. Claims 1-49 are pending in this application. Claims 1 –44 were originally in the application. Claims 45-49 were added by a previous amendment. Claim 18 has been amended. An inadvertent typographical error of claim 18 in the response filed August 21, 2002, i.e., “an electrode” is located in said top electrode, resulted in the antecedent basis rejection of dependent claim 21 by the Examiner. Support for the amendment can be found in original claim 18, which had recited “an aperture” is located in said top electrode. Therefore, claims 1-49 are pending in this application and are presented for examination.

Attached to this response is a version showing the changes made, titled “Version With Markings To Show Changes Made.” In view of Applicant’s amendment and arguments discussed hereinafter, allowance of claims 1-49 is respectfully requested.

Brief Discussion of the Invention

The present invention comprises a system and method of remotely extracting information from a communications station by interrogation with a low power beam. Nonlinear phase conjugation of the low power beam results in a high power encoded return beam that automatically tracks the input beam and is corrected for atmospheric